

BLASHCHENKO, A. T.

BT-1292 /Recent USSR work on the modification of viruses/ Abstracted from:  
Izmenchivost' virusov.  
Nauka i Zhizn' 19(3): 13-15, 1952.

W-24069

KRAVCHENKO, A. T.

PA 241T10

USSR/Medicine - Virus Diseases

Jan 53

"Modification of the Organism's Reactivity During the Process of Infection and Immunization With Viruses," A. T. Kravchenko, P. M. Sekretta, Lab of Virus Immunology, Inst of Virology, Acad. Med Sci USSR

"Zhur Mikrobiol, Epidemiol, i Immunobiol" No 1, pp 16-27

After 1/1000 of a lethal dosis of influenza virus has been introduced into the respiratory tract of white mice, the quantity of virus increases between the 2d and 5th days, begins to drop on the

241T10

6th, and is equal to zero on the 11th. The reaction of inhibition of hemagglutination in mice infected with non-lethal doses drops sharply within 5-7 days, then begins to rise and reaches the maximum at the time when the virus disappears from the body. The titer of antibodies that neutralize hemagglutination does not proceed parallel to the titer of the neutralization of the virus. The presence of specific antibodies in the serum of animals which have received a small dosis of the virus does not determine the course and outcome of the infection. After animals have received a small dosis of the virus, a non-lethal specific infection can be produced within 10 days by introducing a non-specific irritant.

241T10

KRAVCHENKO, A.T., professor

I.V. Michurin and medical biology. Zdorov'e 1 no.10:7-8 0 '55

(MLRA 9:5)

(MICHURIN, IVAN VLADIMIROVICH, 1855-1935)  
(VACCINES)

KRAVCHENKO, A.T.

USSR/General Problems of Pathology - Immunity.

S-1

Abs Jour : Referat Zhur - Biologiya, No 16, 1957, 71333

Author : Kravchenko, A.T., Vargzhanova, V.A.

Inst :

Title : On the Problem of the Role of Nervous System in the Formation of Antibodies.

Orig Pub : Zh. mikrobiol. i immunobiologii, 1956, No 6, 67-74

Abstract : Rabbits were injected with typhoid vaccine under the skin of the ear segment, connected with the organism only by a nerve, nerve and artery, or vein and artery. In some cases the immunization was conducted by way of letting the vaccine in through the vessels of the ear, which hung only by the nerve; in this case there was only a slight increase in the agglutinin titer (TA). Vaccination conducted by introducing the typhoid vaccine twice with an interval of 7 days under the skin of the ear segment, which was suspended by a nerve and an

Card 1/2

- 3 -

KRAVCHENKO, A.T.; RUSZKPOV, F.F.

Experience with the production of antitoxin serum in cattle.

Zhur.mikrobiol.epid. i immun. 30 no.4:79-82 Ap '59.

(MIRA 12:6)

(BOTULISM, immunol.

immune serum, prod. in cattle (Rus))

KRAVCHENKO, A.T., polkovnik meditsinskoy sluzhby, professor; REZEPOV, F.F.,  
\_starshiy leytenant meditsinskoy sluzhby, kand.med.nauk

Seroprophylaxis and serotherapy of tetanus; experimental study.  
Voen.-med. zhur. no. 1:48-51 Ja '60. (MIRA 14:2)  
(TETANUS) (SERUM THERAPY)

KRAVCHENKO, A.T.; VASIL'YEV, V.N.

Comparative study of the properties of two strains of the virus tick encephalitis in tissue culture. Report No. 1: Conditions for cultivating the virus of tick encephalitis in tissue culture Vop. virus. 5 no. 6:649-653 N-D '60. (MIRA 14:4)

1. Institut virusologii imeni D.I. Ivanovskogo AMN SSSR, Moskva.  
(ENCEPHALITIS) (TISSUE CULTURE)

KRAVCHENKO, A.T.; PAUTOVA, L.P.

Experimental data on the treatment of psittacosis. Vop. virus. 5  
no. 6:686-691 N-D '60. (MIRA 14:4)  
(PSITTACOSIS) (ANTIBIOTICS)

KRAVCHENKO, A.T.; FOFANOV, V.I.

Protective action against radiation sickness of natural sera  
from irradiated animals. Med.rad. 6 no.8:23-27 Ag '61.

(GAMMA RAYS--PHYSIOLOGICAL EFFECT) (SERUM) (IMMUNITY) (MIRA 14:8)

KRAVCHENKO, A.T.; VASIL'YEV, V.N.

Comparative study of the properties of two strains of tick encephalitis virus in tissue culture. Report No. 2: Properties of strains of tick encephalitis virus after prolonged cultivation in tissue culture. Vop. virus. 7 no. 1:10-13 Ja-F '61. (MIRA 14:4)

1. Institut virusologii imeni D.I. Ivanovskogo AMN SSSR, Moskva.  
(ENCEPHALITIS)

KRAVCHENKO, A.T.; GUDIMA, O.S.; MILYUTIN, V.N.

Studying the effect of antibiotics and specific sera on the development of viruses and rickettsia in a tissue culture by using microcinematography. Report No.1: Effect of penicillin on the psittacosis virus and Rickettsia burneti in tissue culture. Vop.virus. 7 no:3: 300-306 My4Je '61. (MIRA 14:7)

1. Institut virusologii imeni D.I.Ivanovskogo AMN SSSR, Moskva.  
(PENICILLIN) (RICKETTSIA) (PSITTACOSIS)

KRAVCHENKO, A.T.; MILYUTIN, V.N.; GUDIMA, O.S.

Studying the effect of antibiotics and specific sera on the development of viruses and rickettsia in a tissue culture by using microcinematography. Report No.2: Effect of terramycin on the psittacosis virus and Rickettsia burneti in tissue culture. Vop. virus. 7 no.3:307-312 My-Je '61. (MIRA 14:7)

1. Institut virusologii imeni D.I.Ivanovskogo AMN SSSR, Moskva.  
(PSITTACOSIS) (RICKETTSIA) (TERRAMYCIN)

KRAVCHENKO, A.T.; REZEP'OV, F.F.

Mechanism of the action of antitoxic sera. Nauch. ozn. proizv. bakt.  
prep. 10:137-150 '61. (MIRA 18:7)

1. Nauchno-issledovatel'skiy institut sanitarii.

KRAVCHENKO, A. T., polkovnik meditsinskoy sluzhby, prof.

Immediate prospects for the specific prevention of diseases  
caused by some rickettsiae and viruses. Voen.-med. zhur. no.12:  
31-37 D '61. (MIRA 15:7)

(RICKETTSIAL DISEASES) (VIRUS DISEASES)

KRAVCHENKO, A. T.; FOFANOV, V. I.

Protective action against radiation sickness of native and purified concentrated sera of irradiated animals. Med. rad. no.12: 46-50 '61. (MIRA 15:7)

(RADIATION SICKNESS) (SERUM)

KRAVCHENKO, A.T.; SALTYSOV, R.A.

"Prevention of infections with live vaccines" by M.I. Sokolova.  
Reviewed by A.T. Kravchenko, R.A. Saltykov. Zhur. Mikrobiol. i im. 32 no. 6: 147-151 Jo '61. (MIRA 15:5)  
(VACCINES) (COMMUNICABLE DISEASES—PREVENTION)  
(SOKOLOVA, M.I.)

KRAVCHENKO, A.T.

"Vaccine virus and problems in smallpox vaccination" by V.D.  
Solov'ev, IU.N.Mastiukova. Reviewed by A.T.Kravchenko. Zhur.  
mikrobiol., epid.i immun. 33 no.8:147-150 Ag '62. (MIRA 15:10)  
(VACCINATION) (VACCINE LYMPH)  
(SOLOV'EV, V.D.)(MASTIUKOVA,IU.N.)

SOKOLOV, M.I.; KHAVCHENKO, A.T.; YAKOVLEV, A.I.

Review of the periodical "Virusy virusologii" for 1961. Vop.  
virus. 7 no.3:373-376 My-Je '62. (MIRA 16:8)  
(VIROLOGY--PERIODICALS)

KAYE, D.L., BOYD, L.M.

Principles of specific serum therapy for virus infections.  
Vop.med.virus. no.2:14-20 '63.

(MIRA 17:20)

RODIN, I.M.; KHAVCHENKO, A.T.; SERBIN, J.I.

Experimental serotherapy of tick-borne encephalitis. *Vopr. med. virus. no.8:98-106 '63.* (MIR, 1970)

KHACHENKO, A.T.; RODIN, I.M.; SHCHUK, I.I.; KURKOVA, L.I.; KURKOVA,  
N.M.; TARASKY, V.V.

Preparation and purification of human and monkey brain tissue  
and Japanese encephalitis. Voprosy virus. no. 116-117, 1963.  
(1963 17:10)

ACCESSION NR: AP4003200

S/0241/63/008/012/0055/0059

AUTHOR: Fofanov, V. I.; Kravchonko, A. T.

TITLE: Study of the feasibility of preparing immune sera for alleviating radiation sickness in test animals

SOURCE: Meditsinskaya radiologiya, v. 8, no. 12, 1963, 55-59

TOPIC TAGS: serum, immune serum, radiation sickness, serum globulin, serum protein, radioresistance, radioprotector

ABSTRACT: Specific antigens were separated from serum of irradiated rats by an aluminum hydroxide sorption method to make immune sera. In the first of two experimental series albino rats received single, double, or triple (at 7 day intervals) immunization with the sera before irradiation. The animals were then irradiated with single 400 r doses and blood sera were taken on the 15th day to study their therapeutic effects in the second experimental series. In this series animals were gamma-irradiated with single 500 r doses and the serum preparations were administered intraperitoneally 1 hr later. Survival of animals, course of radiation sickness, and leukocyte level served as indices. Results show that triple immunization be-

Contd 1/2

ACCESSION NR: AP4003200

fore irradiation increases radioresistance of animals, but single and double immunization are less effective. Serum from triple immunized animals administered before irradiation has the same effect on survival and alleviation of radiation sickness as triple immunization with 7 day intervals. Immunized nonirradiated animals can also be used to obtain immune serum. Serum preparations administered 1 hr after irradiation do not prevent the development of leukopenia, but the leukocyte level is higher in animals who have received serum resulting from triple immunization. Separation of specific antigens from serum for immune sera is feasible and requires further development for more effective immunization. Orig. art. has: 3 tables, 1 figure.

ASSOCIATION: none

SUBMITTED: 25Nov61

DATE ACQ: 09Jan64

ENCL: 00

SUB CODE: AM

NO REF SOV: 004

OTHER: 002

Card 2/2

KRAVCHENKO, A.T.

Manifestation of life, Anabiosis. Zh. mikrobiol. 40 no.7:34-39  
Jl'63 (MIRA 17:1)

1. Iz Gosudarstvennogo kontrol'nogo instituta meditsinskikh  
biologicheskikh preparatov imeni Tarasevicha.

KRAVCHENKO, A. T.; AL'SHTEYN, A. D.; VORONIN, Ye. S.

"Interferentsiya mezhdu virusami grippa i sarkomy ransa in vivo."

report presented at Symp on Virus Diseases, Moscow, 6-9 Oct 64.

Gosudarstvennyy kontrol'nyy institut im L. A. Tarasevicha, Moskva.

VASIL'YEVA, N.N.; KRAVCHENKO, A.T.; GAVRILOV, V.I.; DODONOVA, N.N.; LEVENBUK,  
I.S.; KARNAYEVA, F.M.

Study of the infective and oncogenic activity of the SV<sub>40</sub> virus.  
Preliminary report. Vop. virus. 9 no.2:222-227 Mr-Apr '64.

(MIRA 17:12)

1. Kontrol'nyy institut imeni Tarasevicha, Moskva.

BRATSKIN, A.T.

Role of allergy in the development of the organ system to the  
administration of biological preparations. Vestn. AMN SSSR  
29 no.10:52-58 1954. (MIA 1213)

1. Kontrolnyy Institut seritsioznoy i obozrachskoy preparatsiy  
Imeni I.A. Pavlova na Ministerstva zdra. sokhraneniya SSSR, Moskva.

ANDREYEV, S.V., prof.; KRAVCHENKO, A.T., prof.; NAUMENKO, V.G., kand. med. nauk;  
Prinimali uchastiye: GORDILOVA, V.V., prof.; YESIPOVA, I.K., prof.;  
SMOL'YANINOV, V.M., prof.; SOKOLOV, M.I., prof.

Dissertations on pathological and microbiological problems; current  
state and future prospects. Sov. med. 27 no.6:147-151 Je '64.  
(MIRA 18:1)

ANDREYEV, S.V.; KRAVCHENKO, A.T.; NAUMENKO, V.G.

Review of the contents of dissertations on virology, microbiology  
and pathology. Zhur. mikrobiol.; epid. i immun. 41 no.6:60-67 Je  
'64. (MIRA 18:1)

KRAVCHENKO, A.T.

Ways to improve the quality of preventive and therapeutic preparations. Zhur. mikrobiol., epid. i immun. 41 no.9: 107-112 S '64. (MIRA 18:4)

1. Gosudarstvennyy kontrol'nyy institut meditsinskikh biologicheskikh preparatov imeni Tarasevicha.

VOROB'YEV, Anatoliy Andreyevich; VASIL'YEV, Nikolay Nikolayevich;  
KRAVCHENKO, Anatoliy Timofeyevich; ANAN'YEV, V.A., red.

[Anatoxins] Anatoksiny. Moskva, Meditsina, 1965. 487 p.  
(MIRA 18:10)

KHAN, N. I., A. I. KHAN, A. I.

Problems of oncological safety of live viral vaccines. Vop.  
virus. 9 no. 5:527-531 S.O. '64. (MIRA 18:6)

1. Kontrol'nyy institut meditsinskikh biologicheskikh preparatov  
imeni Tarasovicha, Moskva.

KRAVCHENKO, A.T.; ALTSTEIN, A.D.; VORONIN, E.S.

Interference between influenza and Rous sarcoma viruses in chicks. Acta virol. (Praha) [Eng.] 9 no.2:130-136 Mr'65.

1. L.A. Tarasevich State Control Institute of Medical Biological Preparations, Moscow, U.S.S.R.

ROMANENKO, L.N., KRAVCHENKO, A.T., VASIL'YEVA, I.G.

Pathogenesis of allergic complications induced by viruses.  
Report No.1; Development of infection in mice following  
repeated injection of sublethal doses of the fixed rabies  
virus. Vop. virus. 10 no.4:430-435. M-Ag '65.

(MCP: 16:8)

1. Gosudarstvennyy kontrol'nyy institut meditsinskikh  
biologicheskikh preparatov imeni N.A. Tsvetkovskaya, Moscow.

ANDREYEV, S.V.; KRAVCHENKO, A.T.; NAUMENKO, V.G.

Reviews and bibliography. Vop. virus. 10 no.5:629-634 S-C '65.  
(MIRA 18:11)

KRAVCHENKO, A.V.

Several structural features of the flood plain land near the terraces  
of the Voronezh River. Izv.Vor.otd.Geog.ob-va no.3:87-90 '61.  
(MIRA 15:11)

(Voronezh Valley--Physical geography)

PETROV, A.S.; TKACHENKO, I.A.; KRIVOSHEYA, P.I.; KRAVCHENKO, A.V., inzh.

Advanced section of communist labor. Put' 1 put. khoz. 9 no.2:19  
'65. (MIRA 18:7)

1. Nachal'nik Svatovskoy distantzii Donetskoy dorogi (for Petrov).
2. Sekretar' partiynogo byuro, stantsiya Svatovo, Donetskoy dorogi (for Tkachenko).
3. Svatovskaya distantsiya Donetskoy dorogi (for Kravchenko).

KRAVCHENKO, A.V.; RYLOV, V.S.

Separation of magnesium isotopes in the system magnesium  
amalgam - aqueous solution of  $MgCl_2$ . Zhur. fiz. khim. 37 no.4:  
910-912 Ap '62. (MIRA 17:7)

1. Leningradskiy fiziko-tekhnicheskii institut AN SSSR imeni  
A.F. Ioffe.

.. KRAVCHENKO, A.Ya.; KUPFER, S.M.

Efficient formulas for determining the volumes of blocks in calculating reserves by the method of cross sections. Razved. i otkh. nedr 28 no.8:15-19 Ag '62. (MIRA 15:8)

1. Ural'skoye geologicheskoye upravleniye.  
(Ores--Sampling and estimation)

~~RECEIVED, A.YA~~  
 AUTHORS: Koval', I.F. and Kravchenko, A.Ya. (Engineers). 130-3-3/22  
 TITLE: Continuous measurement of temperature in the combustion zone of the blast furnace. (Nepre'r'vnyy kontrol' temperatury v zone goren'ya domennoy pechi.)  
 PERIODICAL: "Metallurg" (Metallurgist), 1957, No.3, pp.6-8 (U.S.S.R.)  
 ABSTRACT: The authors suggest that the measurement of temperature in the combustion zone would be of immediate benefit to the operator and would, in the future, be required for the construction of an automatic device for maintaining optimum thermal conditions in the hearth. They describe experiments in which heat-flow meters were placed in two diametrically opposite tuyeres of an operating furnace and were used to measure combustion-zone temperatures. Kostogrynov-instruments were used: radiant heat from the gases (mainly CO<sub>2</sub>) is received by a special vessel and is converted by a battery of copper-constantan thermocouples into an e.m.f. which is read on a potentiometer. The instruments were installed exactly along the centre line of the tuyere and 50-60 mm from its end.

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It was found that the combustion-zone temperature varies even when the furnace works smoothly and blast temperature remains constant; variation occurs in relation to the gas permeability of the charge, compacting producing increase in temperature. It was found that when smelting bessemer pig iron with a charge containing 70% ore and 30% very fine sinter the optimal combustion-zone temperature was about 1850°C: higher values were

Continuous measurement of temperature in the combustion zone  
of the blast furnace. (Cont.) 130-3-3/22

associated with retardation in the descent of the charge and  
even hanging; with lower values the charge descended rapidly  
and produced chilling.

Operating charts for the blast furnace for 1 day, including  
the combustion-zone temperature, are shown in the article. The  
relation between combustion-zone temperature and the working of  
the furnace is clearly evident.

There are 3 diagrams, 1 table.

AVAILABLE:

Card 2/2

*Kravchenko, A. Ya.*

AUTHOR: Kravchenko, A. Ya., Engineer

67-58 -2-13/26

TITLE: The Automatic Control of Heat in Regenerators (Avtomaticheskoye regulirovaniye teplovogo rezhima regeneratorov)

PERIODICAL: Kislород, 1958, Nr 2, pp. 54-60 (USSR)

ABSTRACT: In the air-fractioning apparatus KT-1000 and KT-3600, platinum resistance thermometers were formerly used in the USSR, which, following the initiative taken by the Plant im. Petrovskiy were later replaced by thermocouple elements. In this paper a graduation table for the necessary chromel-copel and copper-constantan thermocouple elements are mentioned, which was worked out in the laboratory of this plant. The hot soldered joints of these thermocouple elements are connected in the axis of the regenerator and wired to the recording potentiometer EPP -120, which has been adapted to the conditions of automatic control. A scheme of the automatic control (including measuring) is given, in which for each of 2 generators 1 regulator IR -130 is connected. This regulator receives the pulse of the potentiometer and alternately controls the mechanism of the throttle valves. This scheme provides for nitrogen- and oxygen regulators.

Card 1/2

The Automatic Control of Heat in Regenerators

67-58-2-13/26

Next, the wiring diagrams and block schemes for the control of nitrogen- and oxygen regulators are mentioned and described, and the control process is shown in form of a graph. Further, the regulator "IR-130" is described, the block scheme of which is also given. On the basis of two diagrams the advantages offered by the automatic control of a nitrogen regulator are explained. The modifications of automatization mentioned here concern solely the apparatus KT-1000. The application of automatization modifications in the apparatus KT-3600 in practice has as yet not made known, but it is presumed that the automatization of this apparatus will give good results. There are 7 figures, and 1 table.

AVAILABLE: Library of Congress

1. Regenerators—Automation
2. Regenerators—Temperature control
3. Laboratory equipment—Revision

Card 2/2

MAKAROV, D.I.; GOL'DBERG, A.S.; GESKIN, E.S.; GIL'MAN, S.M.; KRAVCHENKO, A.Ya.;  
GAMBAROV, V.I.

Simple control of air flow. Avtom.1 prib. no.1:24-26 Ja-Mr '63.  
(MIRA 16:3)

1. Ukrainskiy gosudarstvennyy proyektnyy institut "Metallurgavtomatika"  
(for all except Kravchenko, Gambarov).
2. Metallurgicheskiy zavod  
imeni Petrovskogo (for Kravchenko, Gambarov).  
(Open-hearth furnaces) (Electronic control)

KRAVCHENKO, A. Ye; SPRINCHAN, S.L.

Adapoting the kymograph for ink recording. Biol. v shkole no.2:94  
Mr-Ap '61. (MIRA 14:3)

1. Gomel'skiy pedagogicheskiy institut.  
(Kymograph)

BUSHUYEV, A.A. (Podol'sk); KRAVCHENKO, A.Ya. (Podol'sk)

Formation of zigzag stitches in home sewing machines. Shvein.  
prom. no.6:18-21 N-D '63. (MIRA 17:2)

*KRAVCHENKO, A.Z.*  
KHYZHNYAK, Anton Fedorovich; KARABUTENKO, I. [translator]; KRAVCHENKO, A.Z.,  
red.; BESSONOVA, N.D., tekhn. red.

[Through Sweden; a travel diary] Po Shvetsii; putevoi dnevnik.  
Moskva, Sovetskii pisatel', 1958. 152 p. (MIRA 11:7)  
(Sweden—Description and travel)

KRIVCHENKO, N.A.

Lesa Moskovskoy Oblasti (Forests Of The Moscow Oblast) Ikh Vosstanovleniye I  
Uluchsheniye. Moskva, Goslesbizdat, 1953.  
37 P. Ill's., Maps, Tables.

SD: 527N/5  
729.41  
.K9

*Kravchenko, B. A.*

621.385.3/5 : 621.1.014.33  
 1954. HARMONIC ANALYSIS OF THE ANODE CURRENT  
 PULSE OF A VALVE UNDER ASSUMPTION THAT THE  
 ANODE-GRID CHARACTERISTIC IS BUILT UP FROM  
 STRAIGHT SECTORS OF VARYING SLOPE. B.A. Kravchenko.  
 Radiotekhnika, Vol. 10, No. 9, 49-52 (1955). in Russian.

Based on the frequency spectrum formula  

$$\varphi(\omega) = -2T^{-1} [B_0(i\omega)^{-1} + B_1(i\omega)^{-2} + B_2(i\omega)^{-3} + \dots + B_k(i\omega)^{-(k+1)}]$$
  
 where  $B_k = \sum_{t=1}^n M_k(t)e^{-i\omega t}$  corresponds to the breaks in  
 the  $i_a/e_g$  characteristic and with a sinusoidal input to the grid,  
 a mathematical analysis of the harmonic content of the anode  
 current waveform is given. A typical example is calculated  
 which shows good agreement with practice. A. Landman

KRAVCHENKO, B.A.

Concerning a certain mathematical method for recording the inverse conversion of the Fourier's series and its use in the study of **transient** processes in linear systems. Radiotekhnika 15 no.10:48-50 0 '60. (MIRA 14:9)

1. Deystvitel'nyy chlen Nauchno-~~tekhnicheskogo~~ obshchestva radiotekhniki i elektrosvyazi im. A.S. Popova.  
(Electric networks) (Fourier's series)

KRAVCHENKO, B. A.

"Investigation of the Machinability and the Physical Phenomena,  
Accompanying the Process of Cutting Silchrome Steel With Cutters  
Tipped With Hard Alloys." Sub 19 Mar 51, Moscow Order of Lenin  
Aviation Inst imeni Sergo Ordzhomikidze

Dissertations presented for science and engineering degrees in  
Moscow during 1951.

SC: Sum. No. 420, 9 May 55

*KRAVCHENKO, B. A.*

USSR/Engineering - Measuring instruments

Card 1/1 Pub. 103 - 15/23

Authors : Kravchenko, B. A.

Title : Dynamometer for measuring the cutting forces

Periodical : Stan. i instr. 2, page 35, Feb. 1954

Abstract : The development of a simple but highly sensitive and reliable induction type instrument (designed on the basis of an ordinary hydraulic dynamometer) for measuring the cutting forces is announced. The structural characteristics, electrical power supply for the operation of the dynamometer and the adjustment of same are described. The AC voltage is fed through a ferroresonance stabilizer of 12-15 v capacity. Diagram; drawings.

Institution : .....

Submitted : .....

KRAVCHENKO, B.A.

Oscillographic recording of cutting forces. Stan. 1 instr.  
26 no.7:25-26 J1 '55. (MLRA 8:9)  
(Metal cutting)

KRAVCHENKO, B.A., kandidat tekhnicheskikh nauk, dotsent.

Theoretical determination of cutting forces. Vest.mash.36 no.12:  
44-48 D '56. (MLBA 10:2)  
(Metal cutting)

SOV/123-60-1-534

Translation from: Referativnyy zhurnal. Mashinostroyeniye, 1960, No 1,  
p 65 (USSR)

AUTHOR: Kravchenko, B.A.

TITLE: Using the Simulation Method to Determine the Coefficient of  
Friction During Metal Cutting 18

PERIODICAL: Tr. Kuybyshevsk. aviats. in-t, 1958, No 7, pp 47 - 55

ABSTRACT: The coefficient of friction  $\mu$  was investigated with the aid  
of a device, where a punch, fixed to an electric inductive  
dynamometer, was pressed against the surface of a specimen  
placed on the machine. While the specimen was rotating and  
the punch traveling in axial direction, the force of friction  
was fixed on an oscillograph and the standard pressure, tem-  
perature in the contact zone, and the speed of relative slide  
were recorded. Different friction couples were used for the  
investigation of  $\mu$ : punches made of R-9 grade steel, of the  
hard-alloy grades VK2, VK8, T30K4 etc., and specimens of the  
steel grades 20, 10 and 45. Graphs are presented which show ✓  
18 18 18

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SOV/123-60-1-534

Using the Simulation Method to Determine the Coefficient of Friction During Metal Cutting

that the character of variation of  $\mu$  with the speed of relative slide agrees with the trend of its variation depending on the specific pressure. By tests it was established that the principal factor determining the magnitude of  $\mu$  is the temperature in the contact zone, and that, with punches of different geometry,  $\mu$  at equal temperatures possesses equal values. The suggested method of determining  $\mu$  yields results which converge well with the data obtained in the determination of  $\mu$  from microsections of chips. 9 figures, 1 table.

B.I.L.

Card 2/2



SOV/123-59-16-64878

Translation from: Referativnyy zhurnal. Mashinostroyeniye, 1959, Nr 16, p 170 (USSR)

AUTHORS: Kravchenko, B.A., Mitryayev, K.F.

TITLE: Electroinductive Dynamometer for the Measurement of the Stresses at the Gear Cutting Process

PERIODICAL: Tr. Kuybyshevsk. aviats. in-t, 1958, vyp. 7, 87 - 100

ABSTRACT: For the investigation of the dynamics of gear cutting an inductive torsion dynamometer was used. The elastic part of the dynamometer is of disk-shaped execution, manufactured of 30KhGSA steel; the rim and hub of the disk are connected by 10 radial spokes of rectangular cross-section, subjected to bending. The rim is fastened to the flange of a conic shaft, by the aid of which the dynamometer is adjusted in the spindle of the milling machine. Worm cutters are placed on the mandrel, fastened to the hub. In the interior of the elastic part 2 inductive pick-ups are fitted, the cores of which, assembled of  $\Pi$ -shaped transformer iron, are fastened to the rim while the armatures are fastened to the hub. With 400 turns and an initial clearance of 0.25 - 0.3 mm between armature and core the inductance of the pick-ups amounts to 40 millihenry. Under the effect of

Card 1/2

SOV/123-59-16-64878

Electroinductive Dynamometer for the Measurement of the Stresses at the Gear Cutting Process

the cutting stress the spokes are bent, the rim is displaced relative to the hub, which leads to an increase of the mentioned clearance in one pick-up and to a decrease in the other. When the torque at the spindle changes in the range of 0 - 45 kilogrammeter the clearance is changed by 0.1 mm; the changes in inductance of the pick-ups arising from this are recorded by an electric device the connection of which is effected by a current collector. The electric circuit of the device consists of the feed unit, the sound generator of the ZG-10 type, and the amplifier. If a resistance potentiometer is installed in the circuit it is possible to obtain 5 ranges of different sensitiveness. The current at the output of the amplifier, which is the gage for the torque to be measured, is recorded by a loop oscillograph. Examples of operating and gaging oscillograms are stated, and also a gaging graphic of one of the measurement ranges, which shows the linear relation between the torque to be measured and the indication of the oscillograph. Results are given of the investigation of the dynamics of gear cutting on the gear cutting machine "532" with standard single-thread worm cutters of medium module ( $m = 1.75 - 5$ ), steel of R9 grade being used. 3 references.

K.S.M.

Card 2/2

25728  
S/123/61/000/012/006/042  
A004/A101

1.4000

AUTHOR: Kravchenko, B. A.

TITLE: On the problem of pressure at the rear surface of tools

PERIODICAL: Referativnyy zhurnal, Mashinostroyeniye, no. 12, 1961, 16-17,  
abstract 12B108 (Tr. Kuybyshevsk. aviats. in-t, 1959, no. 9, 11-34)

TEXT: The author presents the results of investigating the stresses and forces on the tool rear surface. It was found that the rounded part of cutting blades with negative rake angles and the hardened surface layer of the material being worked affect the cutting forces considerably at small cutting depth. By tests carried out at ordinary cutting speeds it was established that a clear-cut boundary exists between the plastically deformed and elastically stressed zones. The boundary line points to the direction of the maximum tangential stresses. To study the field of stresses at the tool rear surface, the photoelasticity method was used with the aid of the ППМ-4 (PPI-4) device. The following formula determines the normal pressure N, underestimated by some 5% on the tool rear surface:

$$N = P_y - P_z \left( \frac{\mu - \tan \gamma}{1 + \gamma \tan \gamma} \right),$$

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25728

S/123/61/000/012/006/042

A004/A101

On the problem of pressure ...

where  $\mu$  - friction coefficient on the tool front surface,  $\gamma$  - rake angle in  $^{\circ}$ . N grows with an increase of the tool wear at the rear surface, e.g. if the wear increases up to 0.5 - 1.0 mm the magnitude of N grows approximately by 80%. It is pointed out that N is connected with the forces acting on the tool front surface. N depends on cutting depth  $\alpha$ . At constant temperatures and  $\alpha = 0.25 - 0.8$  mm N is nearly stable. At  $\alpha < 0.25$  mm an increase in  $\alpha$  causes the growth of stresses at the tool rear surface. There are 19 figures and 2 references.

S. Volkov

[Abstracter's note: Complete translation]

Card 2/2



REZNIKOV, B. A.

PHASE I BOOK EXPLOITATION

SOV/5040

Reznikov, Naum Iosifovich, Igor' Grigor'yevich Zharkov, Vladimir Mikhaylovich Zaytsev, Arkadiy Semenovich Kazarin, Boris Alekseyevich Kravchenko, and Fedor Prokof'yevich Uryvskiy

Proizvoditel'naya obrabotka nerzhaveyushchikh i zharoprochnykh materialov (Efficient Processing of Corrosion-and Heat-Resistant Materials) Moscow, Mashgiz, 1960. 198 p. Errata slip inserted. 7,000 copies printed.

Ed. (Title page): Naum Iosifovich Reznikov, Honored Scientist and Technologist RSFSR, Doctor of Technical Sciences, Professor; Ed. of Publishing House: A. F. Balandin; Tech. Ed.: V. D. El'kind; Managing Ed. for Literature on Metalworking and Machine-Tool Making: V. I. Mitin, Engineer.

PURPOSE: This book is intended for technical personnel and highly skilled workers in the metalworking industry.

COVERAGE: The authors discuss the general characteristics and classifications of modern corrosion-, scale-, and heat-resistant materials with

Card ~~1/9~~

Efficient Processing (Cont.)

SOV/5040

regard to their machinability with cutting tools, and in particular with hard-alloy-tipped tools. Also examined are the processes of turning, cutting-off with single-point tools and saws, and the basic types of milling and drilling. Special attention is given to the use of liquid and gaseous coolants. No personalities are mentioned. There are 36 references: 33 Soviet and 3 English.

TABLE OF CONTENTS:

Introduction	3
1. The role of corrosion-, scale-, and heat-resistant materials in modern machine building	3
Ch. I. The Classification and Basic Properties of Corrosion-, Scale-, and Heat-Resistant Materials	5
2. General characteristics of corrosion-, scale-, and heat-resistant materials	5
3. The classification of corrosion-, scale-, and heat-resistant materials. Basic groups	8

Card 2/9

KRAVCHENKO, Boris Alekseyevich, kand. tekhn. nauk; PETROPOL'SKAYA,  
N.Ye., red.; DURIASOVA, V.M., tekhn. red.

[Forces residual stresses and friction during metal cutting]  
Sily, ostatochnye napriazheniia i trenie pri rezanii metal-  
lov. Kuibyshev, Kuib shevskoe knizhnoe izd-vo, 1962. 178 p.  
(MIRA 15:10)

(Metal cutting) (Strains and stresses)

L 29959-65 ENI(1)/ENT(m)/ENP(w)/ENA(d)/I/EWL(k)/ENP(b)/ENP(t) Pf-4 IJP(c)  
 ACCESSION NR: AR5003989 MJA/JD S/0277/64/000/010/0005/0005

SOURCE: Ref. zh. Mashinostroitel'nyye materialy, konstruktssi i raschet detaley mashin. Gidroprivod. Otd. vyp., Abs. 10.48.25

AUTHOR: Kravchenko, B. A.

TITLE: The effect of residual stresses on the fatigue limit of heat resistant alloy EI437B and titanium alloy VTZ-1

CITED SOURCE: Tr. Kuybyshevsk. aviats. in-t, vyp. 18, 1963, 59-66

TOPIC TAGS: residual stress, metal fatigue strength, heat resistant alloy, titanium alloy, metalworking, cutting tool/ alloy EI437B, titanium alloy VTZ-1

TRANSLATION: The effect of residual stresses from mechanical working on the fatigue limit of alloy EI437B and a titanium alloy were studied. A change in the magnitude of the residual stresses took place with grinding of cutters having different forward angles. The machining was done at the same feed rates and cutting depths at a constant cutting speed. The fatigue tests were made on a Schenk

Card 1/2

L. 29959-65

ACCESSION NR: AR5003989

type machine. Machining of EI437B alloy with a cutter with a forward angle of  $\gamma = +70^\circ$  led to maximum axial residual stresses ( $+70 \text{ kg/mm}^2$ ) and brought about a decrease of 17-20% in the limit of fatigue strength in comparison with a polished sample and with the result of machining with a cutter at  $\gamma = -100^\circ$ . Investigation of titanium samples showed that samples worked by machining have  $\sigma_{-1} = 49.5 \text{ kg/mm}^2$ , while polished samples have  $\sigma_{-1}$  less than  $25 \text{ kg/mm}^2$ . This is explained by the appearance of residual elongation stresses during polishing and of compression stresses which bring about an increase in  $\sigma_{-1}$  during machining. 4 figures. 9 literature titles. N. Sazonova.

SUB CODE: MM, AS

ENCL: 00

Card 2/2

L 33944-65 EWT(d)/EWT(l)/EWT(m)/ENP(k)/ENP(h)/ENP(b)/ENP(l)/ENP(t)/EWA(v)/EWA(d)  
Pf-4 IJP(c) MJW/JD

ACCESSION NR: AR5004787

8/0137/64/000/010/I075/I075

SOURCE: Ref. zh. Metallurgiya, Abs. 101531

AUTHOR: Kravchenko, B. A.

TITLE: Effect of residual stresses on the fatigue limit of heat resistant alloy EI437B and titanium alloy VTZ-1

CITED SOURCE: Tr. Kybyshvsk. aviats. in-t, vyp. 18, 1963, 59-66

TOPIC TAGS: metal fatigue, residual stress, mechanical working, titanium containing alloy/ EI437B alloy, VTZ-1 alloy

TRANSLATION: The effect of residual stresses caused by mechanical working on  $\sigma_{-1}$  for alloy EI437B and a titanium alloy has been investigated. A change in the magnitude of the residual stresses is brought about by grinding with cutters with different forward angles. Fatigue experiments were done on a Schenk type machine. Machining alloy EI437B with a cutter with the forward angle  $\gamma = 70^\circ$  lead to maximum axial residual stresses ( $+70 \text{ kg/mm}^2$ ) and brought about a reduction of  $\sigma_{-1}$  by 17-20% compared to a polished sample and to a

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L 33944-65

ACCESSION NR: AR5004787

sample turned with a cutter with gamma -100. Investigation of the titanium alloy showed that samples machined on a lathe have sigma-1 49.5 kg/mm<sup>2</sup>, while polished samples have sigma-1 25 kg/mm<sup>2</sup>. This is explained by the emergence of elongation residual stresses during grinding and by compression stresses, bringing about an increase in sigma-1 during lathe working. 4 figures, 9 literature titles.  
N. Sazonova.

SUB CODE: MM

ENCL: 00

Card 2/2

L 15774-66 EWT(d)/EWP(1) IJP(c) BC  
ACC NR: AP6006409

SOURCE CODE: UR/0413/66/000/002/0150/0151

INVENTOR: Kravchenko, B. A.

ORG: none

TITLE: Hydraulic servomotor, Class 60, No. 178272  
1,55

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 2, 1966,  
150-151

TOPIC TAGS: servomotor, hydraulic servomotor, gas turbine assembly

ABSTRACT: A hydraulic servomotor is proposed for use in turbomachinery such as gas or steam turbines. The motor contains a power cylinder with a piston and a spring-loaded axle box, which is controlled by a feedback lever connected to a gate valve in the box. To facilitate the adjustment of the turbine control

Card 1/3

UDC: 621-526-546

L 15774-66  
ACC NR: AP6006409

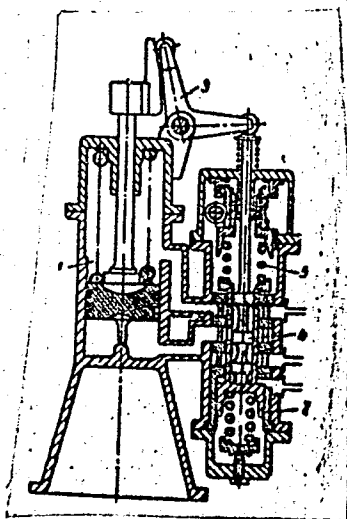


Fig. 1. Hydraulic servomotor

1 - Power cylinder with piston;  
2 - spring-loaded axle box; 3 - feed-  
back lever; 4 - gate valve; 5 - additional  
spring.

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L 15774-66

ACC NR: AP6006409

system, an additional spring is mounted on top of the box; this spring's pressure exerts a force on the box which is directed to one side to achieve a controlling effect (see Fig. 1). Orig. art. has: 1 figure. [TN]

SUB CODE: 13 21 SUBM DATE: 17Dec64/ ATD PRESS: 4200

Card 3/3

L 32821-66 EWT(m)/EWP(t)/ETI IJP(c) JD  
ACC NR: AP6010130 SOURCE CODE: UR/0122/66/000/003/0058/0060

AUTHOR: Kravchenko, B. A. (Candidate of technical sciences, Docent)

ORG: none

TITLE: The influence of cooling on the character and magnitude of residual stresses

SOURCE: Vestnik mashinostroyeniya, no. 3, 1966, 58-60

TOPIC TAGS: metal cutting, temperature stress, heat resistant alloy

ABSTRACT: The origin of residual stresses during cutting is due to plastic deformations of the surface layer, the action of the cutting temperature, and structural transitions. To study the problem in more detail, the author applied to the front rake of the cutter a cooling liquid (10% emulsion) mixed with air at 4 atm through a 0.7 mm diameter nozzle. Tests were carried out using the heat resistant alloys KhN77TYuP (EI437B), EI827, and carbon steel 45. A detailed analysis of the results shows that the cutting temperature affects the origin of residual stresses in two ways. On the one hand, it causes the creation of thermal tensile residual stresses, and on the other, the "relaxation" reduces somewhat the very

Card 1/2

UDC: 621.941-713.4:539.319:669.245.018.45

L 32821-66

ACC NR: AP6010130

large stresses caused by the hardening of the material within the cutting zone. Consequently, during dry cutting the residual stresses do not exceed the yield point of the material under processing. However, the equilibrium between the hardening and "relaxation" processes may be perturbed by intensive cooling leading to stresses exceeding significantly the yield point of the material being processed. This may be very undesirable from the viewpoint of cyclic strength. Orig. art. has: 4 figures.

SUB CODE: 13 / SUBM DATE: none / ORIG REF: 003

Card 2/2 82

CHAYLAKHYAN, M. Kh.; KRASIL'NIKOV, N.A.; KUCHAYEVA, A.G.; IVANOV, K.I.;  
KHLOPENKOVA, L.P.; ASEYEVA, I.V.; KRAVCHENKO, B.F.

Gibberellin production and the determination of its physiological activity in connection with its use in plant cultivation.  
Fiziol.rast. 7 no.1:112-120 '60. (MIRA 13:5)

1. K.A. Timiriazev Institute of Plant Physiology and  
Microbiology Institute of U.S.S.R. Academy of Sciences, Department of Soil Biology of Moscow State University, Moscow,  
and Kurgan Plant of Medicine Preparations, Kurgan.  
(Gibberellin)

LAVRENT'YEV, Vladimir Ivanovich; KIRILLOV, N.I., doktor tekhnicheskikh nauk, professor, retsenzent; ~~KRANCHENKO, R.I.~~, redaktor; TUBYANSKAYA, F.G., izdatel'skiy redaktor; ROZHIN, V.P., tekhnicheskiy redaktor.

[Processing of light-sensitive materials] Tekhnika obrabotki rulonnykh svetochuvstvitel'nykh materialov. Moskva, Gos.izd-vo obor. promyshl., 1957. 249 p.

(MIRA 10:11)

(Photography--Developers and developing)

AUTHOR: Kravchenko, B.I. SOV/25-58-12-19/40  
TITLE: The Art Which Gives the Joy of Knowledge (Iskusstvo, nesushcheye radost' poznaniya)  
PERIODICAL: Nauka i zhizn', 1958, Nr 12, pp 51-54 (USSR)  
ABSTRACT: The 12th Congress of the Mezhdunarodnaya Assotsiatsiya nauchnogo kino (the International Association of Scientific Educational Motion Pictures) convened from 10 to 20 September 1958 in Moscow. The congress was attended by more than 200 delegates from more than 30 countries. The purpose of the congress was to map out basic policies, and to further develop scientific-educational films. The author reviews several films produced in different countries, and analyzes their merits.

Card 1/2

SOV/25-58-12-19/40

The Art Which Gives the Joy of Knowledge

In addition he lists films which were awarded  
prizes (diplomas) for outstanding achievement.  
There are 12 photos.

Card 2/2

KRAVCHENKO, B.Yu.

Concerning time switching of telegraph channels. Elektrosviaz'  
15 no.10:72 0 '61. (MIRA 14:10)

(Telegraph)

KRAVCHENKO, D. G.

135-58-8-7/20

AUTHORS: Zaytsev, K. I., Candidate of Technical Sciences, and Kravchenko, D. G., Byal'skiy, V. P., Engineers

TITLE: Experiences in the Construction of Welded Frames for Mechanical Presses (Opyt konstruirovaniya svarnykh stanin mekhanicheskikh pressov)

PERIODICAL: Svarochnoye proizvodstvo, 1958, Nr 8, pp 25 - 27 (USSR)

ABSTRACT: Information is given on the experience of the Barnaul Plant of Mechanical Presses in producing welded frames for small and medium size presses. The economic and technical advantages of welded press frames are pointed out. There are 6 diagrams, 1 photo, and 1 table

ASSOCIATION: Barnaul'skiy zavod mekhanicheskikh pressov (Barnaul Plant of Mechanical Presses)

1. Presses--Production 2. Welding--Applications

Card 1/1

S/137/61/000/007/054/072  
A060/A101

AUTHOR: Kravchenko, D. G.

TITLE: Welded designs of mechanical presses

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 7, 1961, 40, abstract 7E284  
(In the collection: "1-ya Sibirsk. konferentsiya po svarke, 1959",  
Barnaul, 1959 (1960), 237-245)

TEXT: The experience at the Barnaul Mechanical Press Plant in the manufacture of welded presses is described. The press frame is produced by the use of high productivity methods of automatic welding and cutting. Thick rolled sheet steel St. 3 and steel casting of grade Л35П (L35P), rod C6-08 (Sv-08) or Sv-08A, flux AH-348 (AN-348) are used in automatic welding of the structures and coated electrodes УМ-7 (TSM-7), OMM-5 and УОНИ-13/45 (UONI-13/45) - in manual welding. All welded structures are annealed to relieve stresses at a heating temperature of 560 - 680°C, heating rate of 100 deg/hr, exposure at maximum temperature 2 - 2.5 hours and cooling in the furnace to 150°C. In the manufacture of presses by welding the weight to the machine is reduced by 30% (as compared with the use

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Welding designs of mechanical presses

S/137/61/000/007/054/072  
A060/A101

of casting. The yearly saving of metal at the Plant (for example, 1959)  
constituted 402 tons.

V. Tarisova

[Abstracter's note: Complete translation]

Card 2/2

Automation of Gold [Metal] Stamping Production

Automation of Gold [Metal] Stamping Production

**CONTENTS:** The collection contains reports delivered at the Kiev Scientific and Technical Conference by workers of machine and instrument plants, design organizations, and scientific research and educational institutions. The Conference was sponsored by the Kievskoye oblasnoye inzhenerno-tekhnicheskoye obshchestvo (Kiev Regional Engineering and Technical Society) and by the Ukrainian republicanskye inzhenerno-tekhnicheskoye obshchestvo (Ukrainian Republic Engineering and Technical Society). The purpose of the Conference was to discuss the achievements and practical experience (especially at the State Automobile Plant, the YEP Plant, and Leningrad factories) in the automation of stamping production. The Conference also aimed to acquaint a wide number of machine and instrument builders with the present state of automation in these fields and with the prospects for its further development. Papers dealing with experience in the design and operation of automatic devices, presses, and automatic production lines used in stamping production were discussed. So personalities are mentioned. References accompany most of the articles.

**TABLE OF CONTENTS:**

Foreword

Card 2/5

PLANE I BOOK EXPOSITION 507/550

Golubev, T.M., Doctor of Technical Sciences, Professor, and I.P. Tarabovskiy, Candidate of Technical Sciences, Dozent, eds.

Avtomatizatsiya khodovoykh mashin (Automation of Gold [Metal] Stamping Production) Moscow, Mashgiz, 1951. 202 p. 6,000 copies printed.

**Spetsialnyy Appoy:** Koordiniruyemyy mashinno-tekhnicheskyy seminar Soversha Ministrov Tsekh Instituta tekhnicheskoy informatsii. Mashinno-tekhnicheskoye obshchestvo mashinostroyitel'noy promyshlennosti. Kievskoye oblasnoye inzhenerno-tekhnicheskoye obshchestvo prirobostritel'noy promyshlennosti. Ukrainskoye respublikanskoye inzhenerno-tekhnicheskoye obshchestvo.

**Eds.:** M.S. Sorokin, Tech. Ed.; M.S. Gerasimovskiy, Chief Ed.; (Southern Dept. Mashgiz); V.K. Serdyuk, Engineer.

**REMARKS:** This collection of articles is intended for workers at machine and instrument plants and scientific research and design institutes.

Card 2/5

Automation of Cold [Metal] Stamping Production	507/5580	
Burshteyn, D. Ye. Automation of Stamping in Press Shops (From the Practice at GAZ (Gor'kiy Automobile Plant))		5
Romanovskiy, V.P. Automation of Stamping Processes at Leningrad Plants		27
Lavin, P.M. Mechanization and Automation of Stamping Operations (From Factory Practice)		40
Koshkin, L.N. Automatic Rotary Transfer-Machine Lines		48
Kravchenko, D.G. Automation of Stamping Presses (From the Practice of the Barnaul'skiy zavod mekhanicheskikh pressov (Barnaul Mechanical Presses Plant))		71
Dzidenko, Ye. I. Investigating the Operation of Automatic Stamping Production Lines for Relay Springs		85
Zlotnikov, S.L. Some Problems of Automation in Stamping Production		98
Shofman, L.A. The Present State of Stamping Production and Anticipated Problems		101
Carl-3/5--		

BLINOV, B.P.; KRAVCHENKO, D.N.

Use of steel arch supports. Ugol'.prom. no.1:17-18 Ja-F '62.

(MIRA 15:8)

1. Nachal'nik shakhty No.3 "Novovolynskaya" kombinata "Ukrzapadugol'"  
(for Blinov). 2. Zamestitel' glavnogo inzhenera shakhty No.3  
"Novovolynskaya" kombinata "Ukrzapadugol'" po nauchnoy rabote (for  
Kravchenko).

(Lvov-Volyn' Basin---Mine timbering)

KRAVCHENKO, D. V.

Chukotski Peninsula - Description

Soviet Chukhotka, Nauka i zhizn', no. 2, 1952.

Monthly List of Russian Accessions, Library of Congress, March 1952. UNCLASSIFIED.

KRAVCHENKO, D. V.

Semenov-Tyan-Shanskii, Petr Petrovich

Meeting of the learned council of the Geography Institute of the Academy of Sciences of the U.S.S.R., devoted to the 125th birthday anniversary of P. P. Semenov-Tyan-Shanskiy. Izv. AN SSSR. Ser. Geog. no. 3, 1952.

Monthly List of Russian Accessions, Library of Congress July 1952 UNCLASSIFIED

KRAVCHENKO, D.V.

General meeting of the Department of Geological and Geographical Sciences of the Academy of Sciences of the U.S.S.R. and the scientific session of the Learned Council of the Institute of Geography of the Academy of Sciences of the U.S.S. devoted to Academician V.A.Obruchev's 90th birthday. Izv.AN SSSR Ser.geog. no 78-81 N-D '53.

(MLBA 6:12)

(Obruchev, Vladimir Afanas'evich, 1863- )

KRAVCHENKO, D.V.

~~Angara River. Priroda 42 no.12:77-81 D '53.~~

(MIRA 6:11)  
(Angara River)

USSR/Scientific Organization

Card 1/1      Pub. 45 - 16/17

Authors      : Kravchenko, D. V.

Title        : ~~Work of the Geographic Institute of the Acad. of Sci. of the USSR in 1953~~  
: Work of the Geographic Institute of the Acad. of Sci. of the USSR in 1953

Periodical   : Izv. AN SSSR Ser. geog. 3, 109-110, May - Jun 1954

Abstract     : The work of the Institute consisted of conferences, research and the compilation and publication of books and papers relating to various aspects of geography, economic, physical, political, etc, both of the home country and of foreign countries, including one on Ireland.

Institution: .....

Submitted: .....

*KRAVCHENKO, D. V.*

USSR/ Scientists - Economic geography

Card 1/1      Pub. 45 - 12/15

Authors : Buyanovskiy, M. S.; Dolgoplov, K. V.; Dumitrashko, N. V.; Kamanin, L.G.;  
Kravchenko, D. V.; Meyerson, E. I.; Odud, A. L.; Pomus, M. I.; Rostovtsev,  
M. I.; Ryazantsev, S. N.; Fedorova, Ye. F.; and others

Title : Pavel Georgiyevich Ozhevskiy

Periodical : Izv. AN SSSR. Ser. geog. 5, 88 - 89, Sep - Oct 1954

Abstract : In noting the recent death of Pavel Georgiyevich Ozhevskiy the life history  
and work of this specialist in economic geography is recalled. Ozhevskiy  
was the oldest collaborator of the Geographic Institute of the Academy of  
Sciences of the USSR. He devoted himself mostly to the economic aspects of  
geography.

Institution: .....

Submitted: .....

KRAVCHENKO, D. V.,

"Kurgan Oblast (Econogeographic Characteristic)." (Dissertation for Degree of Candidate of Geographic Sciences) Acad Sci USSR, Inst of Geography, Moscow, 1955

SO: M-1036, 28 Mar 56

KRAVCHENKO, D.V.

Work of the Institute of Geography of the Academy of Sciences of  
the U.S.S.R. in 1955. Izv.AN SSSR.Ser.geog. no.2:149-150 Mr-Apr  
'56. (MLRA 9:8)  
(Geography)

KRAVCHENKO, D.V.

Geographical symposium in Uganda. Izv.AN SSSR.Ser.geog.no.1:146-147  
Ja-F '57. (MLBA 10:4)  
(Uganda--Geography--Congresses)

KRAVCHENKO, D. V.

TN KRAVCHENKO, D. V.

808 Kamennougol'nyye Basseyny SSSR; Pochtoye Olya Izhitel'ov  
..16 (Coal Basins Of The USSR, By) D. V. Kravchenko, (1)  
A5 B. I. Andreyev. Moskva, Uchebnik, 1958.

175 P. Illus., Maps, Tables.  
Includes bibliographies

ANDREYEV, Boris Ivanovich; KRAVCHENKO, Dmitriy Vasil'yevich; RODIONOVA,  
P.A., red.; VASIL'YEVA, O.S.; TYUTYUNNIK, S.G., red.kart;  
KOZLOVSKAYA, M.D., tekhn.red.

[Coal basins of the U.S.S.R.; a manual for teachers] Kamunno-  
ugol'nye basseiny SSSR; posobie dlia uchitel'ia. Moskva, Gos.  
uchebno-pedagog.izd-vo M-va prosv. RSFSR, 1958. 175 p.  
(Coal mines and mining) (MIRA 12:4)

AUTHOR: Kravchenko, D.V.

10-58-3-23/29

TITLE: About the Work of the Geographical Institute, AS USSR, in 1957 (Raboty Instituta geografii Akademii nauk SSSR v 1957 godu)

PERIODICAL: Izvestiya Akademii Nauk, Seriya Geograficheskaya, 1958, Nr 3, pp 147 - 150 (USSR)

ABSTRACT: In 1957 the scientific activity of the Geographical Institute consisted of: 1) Composing geographical works on the USSR and other countries; 2) developing combined geographical expeditionary research work (particularly in the Eastern areas of the USSR) in order to discover national resources, etc.; 3) studying the dynamics of physical geographical phenomena in order to work out scientifically grounded prognoses of elemental processes; 4) paleogeographical research; 5) historical research. Various monographs on the USSR and foreign countries have been published, such as the geography of US industry and the northern part of the US. A new important scientific center has been established in the East (The Siberian Branch of the AS USSR). In 1957, the Soviet Antarctic expedition carried on its research work, while other expeditions

Card 1/2

About the Work of the Geographical Institute, AS USSR in 1957 10-58-3-23/29

were working in the Polar regions, in Northern Siberia, China, Bulgaria, etc. Members of the Institute visited Sofia, Bucharest, Warsaw, Berlin, Prague, Peking, Tokyo and Toronto. Foreign scientists from Rumania, Poland, Czechoslovakia, Canada and the US delivered different reports at the Institute.

AVAILABLE: Library of Congress

Card 2/2

1. Geography - USSR
2. Geography - Economic aspects - USSR

3(5)

SCV/10-59-2-20/29

AUTHOR: Kravchenko D.V.

TITLE: The Work of the Institute of Geography of the  
AS USSR in 1958.

PERIODICAL: Investiya Akademii nauk SSSR, Seriya geograficheskaya,  
1959, Nr 2, pp 143-146 (USSR)

ABSTRACT: This is a complex survey of the activities of the  
Institute of Geography of the AS USSR during 1958.  
The author specifies the scientific research as  
shown by the work performed by expeditions, the  
evaluation of collected materials, the publication  
and preparation of scientific works, etc. He also  
gives a chronicle of conferences and a survey of  
the relations maintained by the institute with  
Soviet State agencies and scientific institutions  
in the Soviet Union and abroad. Within the con-  
cerned period the scientific activities of the  
institute were chiefly concentrated on: 1) the

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The Work of the Institute of Geography of the AS USSR in 1958.

composition of comprehensive geographical works on several regions of the Soviet Union and foreign countries (a work on the economic geography of Germany (GFR and GDR, for instance, was published in 1958); 2) the organization of expeditions to find out resources for economic development; 3) the study of the dynamics of contemporaneous physico-geographical phenomena for the purpose of developing a scientific basis permitting the forecasting of elementary natural processes and their control for economical ends. To this category belongs much glaciological and climatological research carried out within the program of the IGY; 4) paleogeographic research tending to facilitate the understanding of contemporaneous geographical phenomena; 5) research in the field of the history of the geographical sciences. The author gives a comprehensive list of scientific works published

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or being prepared during 1950. The director of  
the institute, I.F. Gerasimov, is mentioned to-  
wards the end of the article

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